



PUBLIC UTILITIES DEPARTMENT

Residential Lawn Irrigation Systems: Potable Water

As of June 30th, 2008 State Law requires a separate meter (House Bill 2499) for all in-ground irrigation systems and many systems must be installed by a NC Licensed Irrigation Contractor (HB89G). See the Bill for exemptions.

With the installation of an irrigation meter you will be charged for water only, no sewer fees will apply. These recommendations became part of the City Code and implemented in January of 2007.

A plumbing permit from the City of Raleigh's Inspections Department is required for the installation of any in-ground irrigation system.

ALL NEW IN-GROUND IRRIGATION SYSTEMS ARE REQUIRED BY CITY ORDINANCE TO:

1. Be installed by a NC Licensed Irrigation Contractor (North Carolina HB89G), if the total project is over two thousand five hundred dollars (\$2,500). Please refer to the Bill for further exemptions.
2. Have a separate meter.
3. Have a Smart controller which will have two **Weather-Based Sensors** connected as an add-on device. These sensors must measure local weather conditions such as rain, temperature, wind, soil conditions and/or evapotranspiration, and be incorporated to suspend irrigation cycles according to set parameters. The City Code requires each system to incorporate two (2) sensors, each monitoring a separate weather characteristic, to be used as an add-on device to suspend irrigation cycles when watering is deemed unnecessary by the conditions of the sensor.
 - a. One sensor must be a rain sensor.
 - b. The second weather-based sensor may monitor any of the remaining characteristics, as long as that device meets the City's definition of a weather-based sensor.
4. An irrigation audits may be required.

BEFORE VISITING YOUR LOCAL INSPECTIONS OR PERMITTING DEPARTMENT WITHIN THE RALEIGH WATER SYSTEM PLEASE REVIEW THE FOLLOWING INFORMATION AND BE PREPARED TO:

- Identify the size of the irrigation service you will need to run your system. Minimum ¾"
- Know if you need a new tap or a split on your existing water service.
- Determine if you want the City to install the tap or split on existing service (¾" or 1") or use a private utility contractor licensed to work in the ROW.(fee quoted by contractor)
- Pay for a meter that matches the size of your tap or split.
- If a new tap is required be prepared to pay an acreage (availability) fee.
- Acquire a plumbing permit for installation of a Reduced Pressure backflow assembly. The name and license number of the licensed plumbing contractor who will install the backflow assembly is required in order to obtain the backflow permit.

SYSTEM INSTALLATION:

1. A service split shall not be larger than the original service size.
2. A service valve is required after the meter and prior to the backflow assembly on private property.
3. The stand pipes for a backflow assembly are required to be of brass or copper.
4. ALL systems must be installed by an NC Licensed Irrigation Contractor. If a private licensed utility contractor is used a stub permit is required.
5. Residential lawn irrigation backflow preventers must be tested for proper operation every 3 years and is the responsibility of the property owner.

PLEASE SEE THE FOLLOWING COST ESTIMATES:

City Installed New Irrigation Tap: A new service tap from the public main to your property as installed by City staff.

<u>Acreage Fee</u> -- \$326.00	<u>Tap Fee</u> -- ¾" - \$2,314.00	<u>Meter Fee</u> -- ¾" - \$197.00
	1" - \$2,545.00	1" - \$250.00

Plumbing Permit for Backflow Assembly - \$74.00

City Installed New ¾" Split: A service split installed when the potable water service to your property as installed by City staff.

<u>New Split</u> -- ¾" - \$463.00	<u>Meter Fee</u> -- ¾" - \$197.00
1" - \$788.00	1" - \$250.00

Plumbing Permit for Backflow Assembly - \$74.00

City Installed Existing ¾" Split: A split installed on an existing water service prior to the domestic water meter as installed by City staff.

<u>Existing split</u> -- ¾" - \$953.00	<u>Meter Fee</u> -- ¾" - \$197.00
1" - \$1276.00	1" - \$250.00

Plumbing Permit for backflow assembly \$74.00

Contractor Installed New Irrigation Tap: A new service tap from the public main to your property as priced and installed by a Private Licensed Utility Contractor .

<u>Acreage Fee</u> -- \$326.00	<u>Meter Fee</u> -- ¾" - \$197.00	<u>Stub Fee</u> - \$74.00
	1" - \$250.00	

Plumbing Permit for Backflow Assembly - \$74.00

Contractor installed existing and new split - ¾" or 1": A split installed on an existing water service prior to the domestic water meter as priced and installed by a Private Licensed Utility Contractor.

<u>Meter Fee</u> -- ¾" - \$197.00	<u>Stub Fee</u> -- \$74.00
1" - \$250.00	

Plumbing Permit for Backflow Assembly - \$74.00

FOR MORE INFORMATION PLEASE CONTACT:

Main Office Contact
Public Utilities Administration
Phone: (919) 857.4540
Email: publicutilityinfo@raleighnc.gov